

Napatech Announces New Feature Set For Their NT20 Family 10GbE High-Performance Network Adapters

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ANDOVER, Mass., Sept. 15 (SEND2PRESS NEWSWIRE) – Napatech announces the latest release called ANAHEIM for their NT family of 10GbE high-performance network adapters for PCI-Express. The ANAHEIM release includes new additional features to the earlier announced TUCSON software release:

- * Deduplication
- * Filter Priorities
- * Packet Coloring
- * Daisy Chain Time Synchronization of Napatech adapters



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The new Deduplication feature can remove duplicate frames (frames containing identical payload) from the traffic captured by the Napatech adapter. This saves a substantial amount of server CPU cycles and, for applications storing the network data to disk, also large amounts of disk space.

The new Filter Priorities extend the possibilities of the 64 programmable

hardware filters by enabling full control filters working on overlapping definitions. As an example, three filters can be set up to capture all UDP packets, all TCP packets and all other IP packets by giving the IP filter a lower priority than the UDP and TCP filters.

Furthermore, if Packet Coloring is added, each of the three packet types will be tagged with a unique Color ID enabling fast software processing/identification of the individual classes of packets.

Finally as Napatech is seeing more OEMs using several adapters in one server or in servers next to each other, several Napatech adapters can now be daisy-chained and time-synchronized without using external boxes. In this way, an inter-adapter time-stamping precision better than 30 ns can be obtained.

“These new features again add to the Napatech goal of providing world-class off-loading and acceleration features to our OEMs enabling their solutions to provide more advanced analysis and allowing them to scale faster to i.e. 20 Gbps speed or to store more data in an easily retrievable way”, says Nick Arraje, VP Sales of North America.

The new features described are added to the already feature-rich product line offered to Napatech’s OEM customers. The high performance adapters include features such as line rate capture and processing of frames up to 20 Gbps, 10 ns time-stamping of every packet, channel merging, frame classification, conditional dynamic frame slicing, support for 32 CPU cores, and more. The feature set supports Linux, FreeBSD and Windows, and includes a programming interface and development tools.

About Napatech

Napatech is a leading OEM supplier of multi-port 1GbE and multi-port 10GbE high-performance network adapters. The core idea is to off-load real-time/streaming protocol, payload analysis and control applications traditionally implemented in software or proprietary hardware. Napatech expects a huge growth in the demand for intelligent and programmable adapters as Ethernet speeds increase, since the current PC architecture limits the amount of processing that can be achieved. Napatech has sales, marketing and R&D offices in Mountain View, California, Andover, Massachusetts and Copenhagen, Denmark.

For more information visit us at: www.napatech.com.

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